

Customer No.: 31561  
Application No.: 10/709,767  
Docket No.: 13292-US-PA

**To the Abstract:**

An ink jet printer ~~[[comprises]]~~includes a printhead drive unit and a cartridge. The cartridge includes the printhead controller. The printhead controller includes a plurality of inverters connected in series to constitute a ~~[[buffer-]]~~ circuit for receiving one or more control signals to control the enable status of the nozzle in order to determine whether to jet out the ink.